

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : National Phase Entry of PCT/DE2004/001794  
Applicant : Markus ZABEL et al  
Filed : February 6, 2006  
TC/A.U. :  
Examiner :

**10/567411**

**IAP20 Rec'd PCT/PTO 06 FEB 2006**

Docket No. : 3286-102  
Customer No. : 6449  
Confirmation No. :

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with applicants duty of disclosure under 37 C.F.R. 1.56, enclosed is a copy of the International Search Report in the corresponding international application. References 1, 13, 17 and 18 are cited in the International Search Report. The relevance of the references is noted in the International Search Report. We understand that the references have been forwarded by the International Bureau, and are available to the Examiner, but if the Examiner needs copies of any of the references not attached, the Examiner is requested to advise counsel accordingly. Copies of the additional non - U.S. references cited on Form 1449 are enclosed.

U.S. Patent 5,410,473 is the English equivalent of DE 42 43 889 A1 and U.S. Patent 5,107,849 is the English equivalent of DE 42 13 788 A1.

Copies of References 21-28 will follow as soon as we receive them from the applicant.

In the event that any fees are due with this paper, please charge our Deposit Account No. 02-2135.

Respectfully submitted,

By



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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Complete if Known	
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				Filing Date	February 6, 2006
				First Named Inventor	Markus ZABEL et al
				Group Art Unit	
				Examiner Name	
				Confirmation No.	
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
	1.	5,377,687	A	Evans et al	1/3/95
	2.	5,711,304	A	Dower	1/27/98
	3.	5,161,539	A	Evans et al	11/10/92
	4.	6,358,214	A	Tereschouk	3/19/92
	5.	6,505,067	A	Lee et al	1/7/03
	6.	6,217,525	A	Medema et al	4/17/01
	7.	5,058,598		Nicklas et al	10/22/91
	8.	4,850,370		Dower	7/25/89
	9.	5,410,473	A	Kaneko et al	4/25/95
	10.	5,107,849	A	Bellin et al	4/28/92

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code.

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

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				Examiner Name	
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup> Code	Number <sup>4</sup>	Kind <sup>5</sup> (if known)			
	11.	DE	42 43 889	A1	Fukuda Denshi K. K.	7/8/93	
	12.	DE	42 13 788	A1	Bellin et al	10/28/93	
	13.	EP	1 221 299	A2	GE Medical Systems Information	7/10/02	
	14.	EP	0 818 016	B1	Dower	5/26/99	
	15.	EP	0 512 719	B1	Physio-Control Corp.	1/22/97	
	16.	RU	2 077 865	C1		4/27/97	AB
Examiner Signature					Date Considered		

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Complete if Known Page 8	
				Application Number	New Application <b>20/567411</b>
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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		T <sup>2</sup>
	17.	R.L. Lux, et al, "Clinically Practical Lead Systems for Improved Electrocardiography: Comparison with Precordial Grids and Conventional Lead Systems", Pgs: 356-363, Circulation, American Heart Association, 1979, vol. 59, no. 2.		
	18.	A. Murray et al, "Simplified body-surface electrocardiographic maps with depolarization magnitude and direction, Pgs. 235-242, Physiol. Meas. 15, 1994		
	19.	J. Kors et al., "Improved Spatial Sampling of ECG Potentials on the Body Surface by Repositioning Electrodes from the Standard 12-lead ECG, pgs. 29-32, IEEE Computers in Cardiology 28, September 2001		
	20.	Bruno Taccardi, "Distribution of Heart Potentials on the Thoracic Surface of Normal Human Subjects, pgs. 341-352, Circulation Research Vol. XII, April 1963.		
	21.	A.P. Michaelides et al. "Improved detection of coronary artery disease by exercise electrocardiography with the use of right precordial leads", Pgs: 381-385, N. Eng. J. Med. 340(5), 1999		
	22.	Flowers et al, "Body Surface Potential Mapping, pgs. 737-746, Chapter 82 in "Cardiac Electrophysiology - From Cell to Bedside".		
	23.	Lux et al., "Clinically Practical Lead Systems for Improved Electrocardiography Comparison with Precordial Grids and Conventional Lead Systems, pgs. 356-363, Circulation, American Heart Association 1979.		
	24.	Michaelides et al., "Improved detection of coronary artery disease by exercise electrocardiography with the use of right precordial leads", pgs. 340-345 and pgs. 381-385, N. Eng. J. Med., 340(5), 1999.		
	25.	Michaelides et al., "Improved detection of coronary artery disease by exercise electrocardiography with the use of right precordial leads", pgs. 208, 209-210, N. Eng. J. Med. 341(3), 1999.		
	26.	Michaelides et al., "Improved detection of coronary artery disease by exercise electrocardiography with the use of right precordial leads" pgs., 968-969, N. Eng. J. Med. 343(13), 2000		
	27.	Stroink et al., "Cardiomagnetism", pgs. 136-189, in Magnetism in Medicine, W. Andrä and H. Nowak, 1998.		

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	28.	Jazbinset et al., "Cardiac multichannel vector MFM and BSPM of front and back thorax", Proceedings Int. Conf., BIOPMAG 02, in press.	
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Examiner Signature		Date Considered	
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